

**Contractor's Progress Report
(Technical and Financial)
CDRL A001**

For: Safe Surgery Trainer

Prime Contract: N00014-14-C-0066

For the Period July 1, 2015 to July 31, 2015

Submitted: 15 Aug 2015

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Medical Modeling - Safe Surgery Trainer

This Monthly Progress Report is provided in accordance with the contract CDRL.

1) Contract Period of Performance: 12 March, 2014 to 30 September, 2015

2) Cost (Estimated financials may differ from actual invoice)

a) Total Amount Funded to date:	\$910,256.00
b) Estimated Reporting Period Expenditures	\$23,022.31
c) Estimated Cumulative Expenditure	\$792,055.99
d) Estimated Remaining Funds To Completion	\$118,200.01

3) Progress and Accomplishments During Report Period

- a) Program Management – Ongoing communication and project management with project team and sub-contractors. Ongoing outreach with medical centers (see below). Ongoing project management according to Alion's CMMI Level 3 processes.
 - i) Follow-up from studies at Langley Air Force Hospital (June 24-25) with additional participation from Fort Eustis.
 - ii) Worked to secure involvement of Portsmouth Naval Hospital – Now scheduled for Sept 9 & 10.
 - iii) Ongoing interactions with medical representatives that were interested in or attended the SST StoryJam. StoryJam Participating organizations included: Portsmouth Naval Hospital, Langley AFB Hospital, Fort Eustis McDonald Healthcare, Eastern Virginia Medical School, Maryview Hospital, Mary Immaculate Hospital, and the Children's Hospital of the King's Daughters.
- b) Prototype Development – Final hardening and testing in preparation for the final release.
- c) Instructional Design and Healthcare Research – Working toward final documentation and preparation for final release.
- d) Research Studies – Began dissemination of data from studies at Langley AF Hospital, June 24-25. Continued preparing for upcoming Portsmouth research.

4) Work in Progress / Plans for Next Month

- a) Program Management - Continue identifying communication channels, managing contracts, and coordinating with team members and outside participants. Conduct numerous presentations/briefs to stakeholders.
- b) Prototype Development – Work toward final version of software. Begin preparing for transition and delivery..

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- c) Instructional Design and Healthcare Research – Support final testing, documentation, and delivery.
- d) Research Studies – Formalize results from Langley research. Continue planning for final research at Portsmouth Naval Hospital.

5) Milestones / Deliverables

Name/Description	Date (Target or Actual)	Notes/Status
Project Management Plan	DONE: May 28, 2014	COMPLETE
Reports	15 th of each month	This document
Presentation Materials	As appropriate	ONR Kickoff Brief
Software Requirements Document	Target: Nov 30, 2014	
Scenario Design Document	Target: Sept 30, 2014 & Aug 31, 2015	
Prototype - Executable	Target: December, 2014, May, 2015, and Aug, 2015	Iter 1 – COMPLETE 12/1/14 Iter 2 – COMPLETE 4/30/15 Iter 3 – COMPLETE 7/31/15
Prototype - Source	Target: Sept 30, 2015	
Research Data	Target: Sept 30, 2015	
Final Report	Target: Sept 30, 2015	
Milestone – Initiation	DONE: May 31, 2014	COMPLETE
Milestone – Iteration 1	DONE: Dec 1, 2014	COMPLETE
Milestone – Iteration 2	DONE: Apr 30, 2015	COMPLETE
Milestone – Iteration 3	DONE: July 31, 2015	COMPLETE
Milestone – Conclusion	Target: Sept 30, 2015	
Milestone – ONR Kickoff	DONE: Apr 22, 2014	COMPLETE
Milestone – StoryJam	DONE: May 25, 2014	COMPLETE

6) Risks/Issues/Concerns/Problems

- a) PORTSMOUTH NAVAL HOSPITAL – This risk seems to be resolved. Working with Commander Cunningham and Commander Hawkins has led to a firm date for Sept 9 & 10 at Portsmouth Hospital. Portsmouth has accepted UCF's IRB.
- b) Letter from Portsmouth Naval Hospital has been secured.

7) Travel Accomplished

- a) I/ITSEC, Dec 1 – Dec 4, 2014. Orlando Florida. Included labor hours for onsite SST effort such as conducting the field study. No actual travel budget.
- b) IMSH, Jan 12-14, 2015. New Orleans, Louisiana. Includes labor hours for onsite SST demonstrations and meetings. No actual travel budget.
- c) June, 2015. Langley AF Study, Hampton, VA. UCF researchers flying to Virginia to conduct studies.
- d) Aug, 2015. Travel to Fort Detrick to present final results brief to JPC-1 and Dr. Ray Perez.

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8) Planned Travel

- a) Travel to Norfolk (or other) by UCF research partners, in August for 2nd study.

9) Related Activities

- a) Submitting SST to the I/ITSEC Serious Games Challenge.
- b) Submitted abstract to the International Modelling and Simulation in Healthcare (IMSH) 2016 conference, San Diego, Jan, 2016. “Teaching Psychological Safety with Safe Surgery Trainer – Research Outcomes”
- c) Submitted presentation for I/ITSEC 2015 tutorial, “There and Back Again – A Journey of Games, Communication, and Innovation.” Abstract was accepted. Final paper was denied.
- d) Presented talk at the International Modelling and Simulation in Healthcare (IMSH) 2015 conference, New Orleans, Louisiana, Jan 10-14, 2015. “Safer Surgery with Games – The Moment of Truth”
- e) Presented at the Design of Learning Games Community Workshop, at I/ITSEC, Wednesday, Dec 3rd.
- f) Conducted Field Study from the Alion booth at I/ITSEC 2014 – only such study of the conference!
- g) Presented SST concepts in a brief at the M&S Southwest Modeling and Simulation Conference in Scottsdale, Arizona, Mar 12, 2014.